Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P321119

Luminaire Tested: **GLEON-SA5B-830-U-AFL**

Issue Date: 3/3/2020

Report Generated By E0585644

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P321119
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-29)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA5B-830-U-AFL
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23285 lumens
Efficiency:	N/A
Efficacy:	110.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G2

Input Watts (W):	210
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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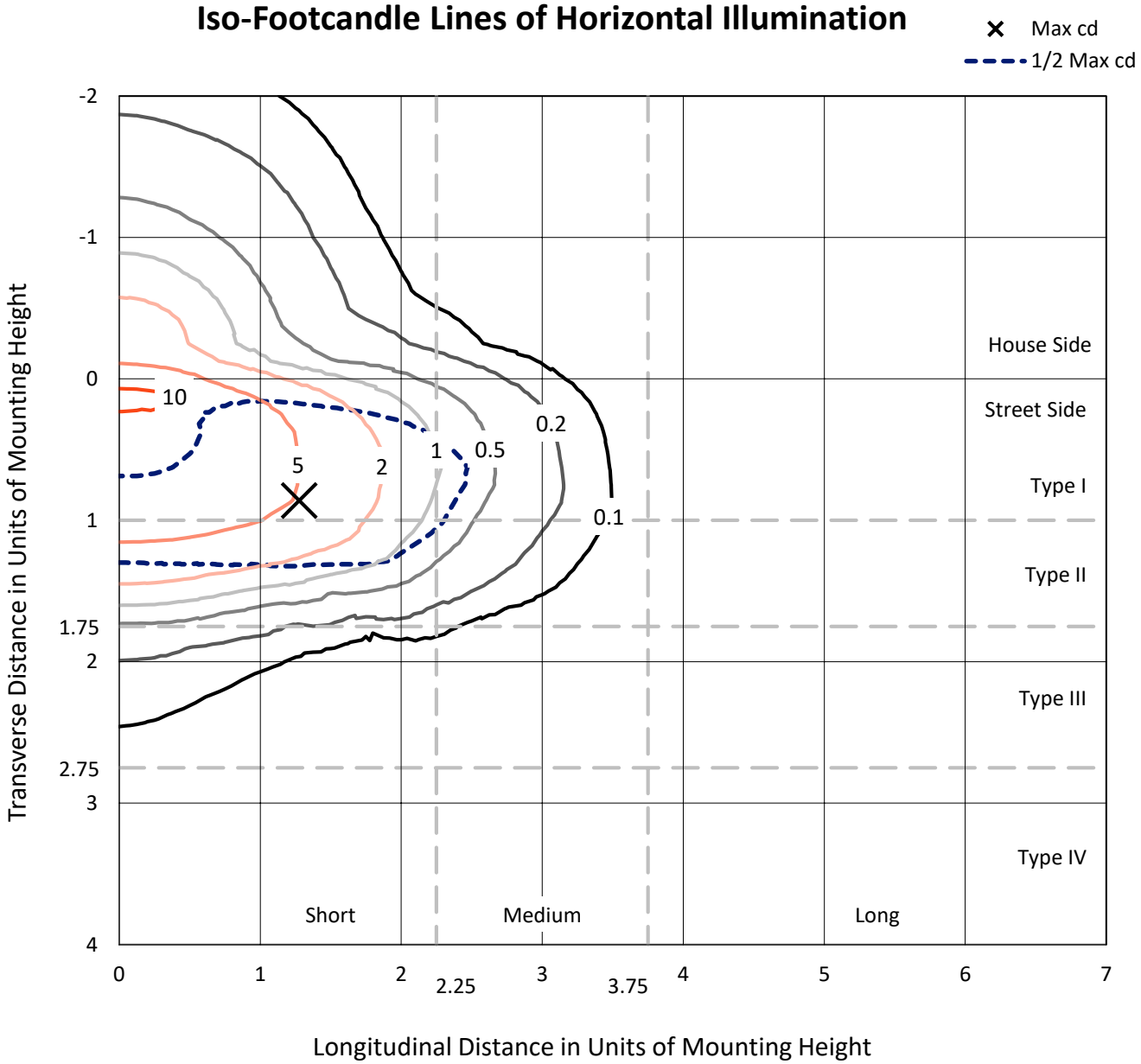
Scaled Data Report

REPORT NUMBER: P321119
CATALOG NUMBER: GLEON-SA5B-830-U-AFL

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
Type II - Short - N/A

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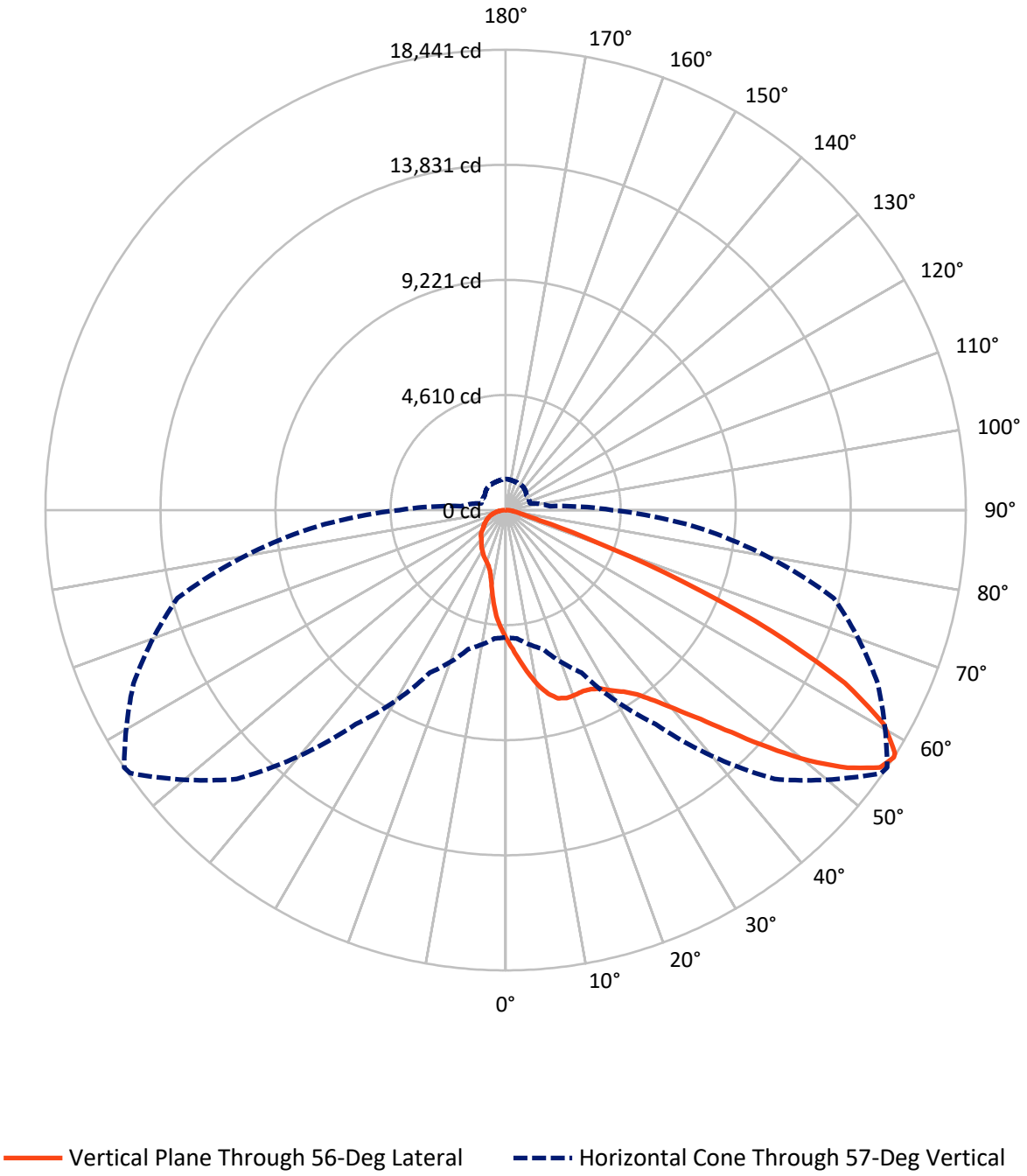
Luminous Intensity Polar Plot



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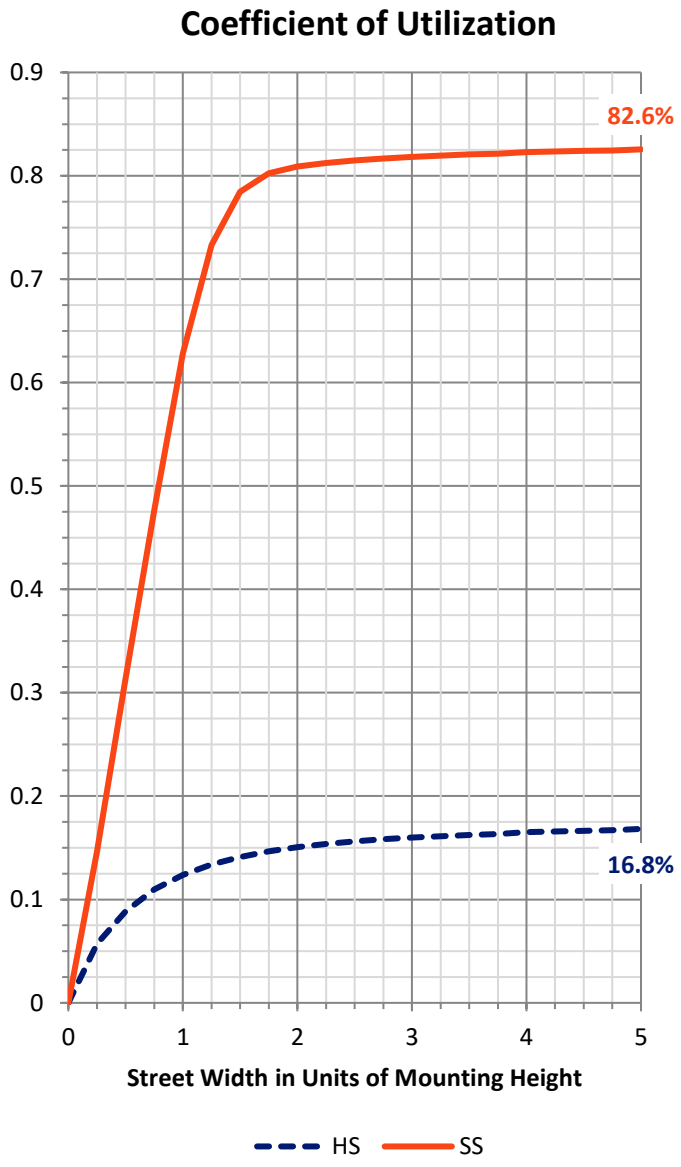
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4013.8	0.0	4013.8
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	19271.2	0.0	19271.2
	% Fixture	82.8	0.0	82.8
Total	Lumens	23285.0	0.0	23285.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	493.4	2.1
10°-20°	1394.8	6.0
20°-30°	2271.9	9.8
30°-40°	3396.2	14.6
40°-50°	5151.4	22.1
50°-60°	5773.8	24.8
60°-70°	3410.2	14.6
70°-80°	1117.3	4.8
80°-90°	276.0	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	23285.0	100.0
0°-180°	23285.0	100.0



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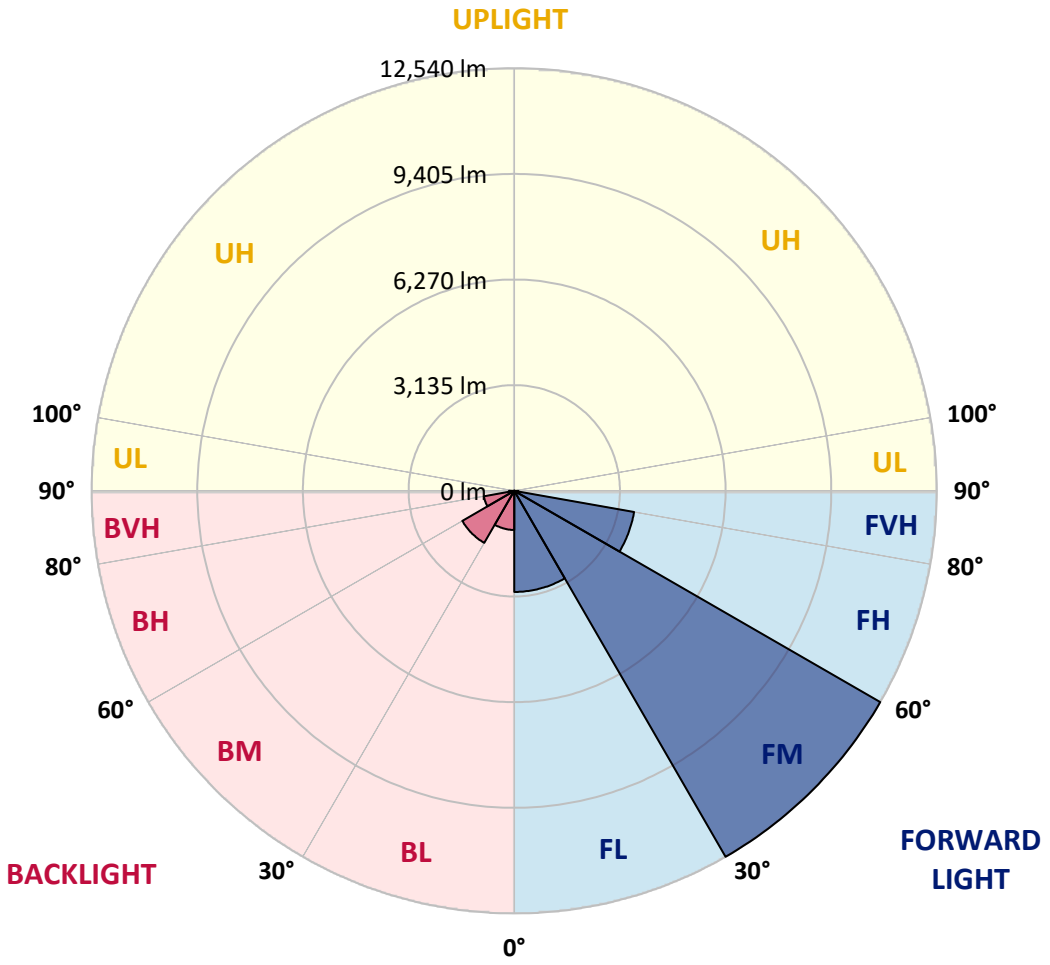
REPORT NUMBER: P321119
CATALOG NUMBER: GLEON-SA5B-830-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2999.5	12.9			
FM	(30°-60°)	12539.7	53.9			
FH	(60°-80°)	3610.4	15.5			G2/5000
FVH	(80°-90°)	121.5	0.5			G2/225
BL	(0°-30°)	1160.6	5.0	B3/2500		
BM	(30°-60°)	1781.6	7.7	B2/2500		
BH	(60°-80°)	917.1	3.9	B2/1000		G2/1000
BVH	(80°-90°)	154.5	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
Type II Short



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Scaled Data Report

REPORT NUMBER: P321119
CATALOG NUMBER: GLEON-SA5B-830-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	5164.6	5164.6	5164.6	5164.6	5164.6	5164.6	5164.6	5164.6	5164.6	5164.6	5164.6
2.5°	5930.4	5984.9	5960.9	5877.6	5813.6	5723.2	5622.4	5592.0	5485.5	5366.3	5223.1
5°	6869.1	6841.9	6802.7	6673.1	6536.2	6377.0	6124.1	6084.1	5847.2	5577.5	5292.7
7.5°	7403.7	7401.3	7378.0	7302.0	7177.2	6969.1	6664.3	6617.0	6259.3	5825.6	5383.9
10°	7326.0	7320.4	7358.8	7438.1	7475.7	7432.5	7175.6	7128.4	6689.1	6100.1	5489.5
12.5°	6885.1	6888.3	6949.9	7116.4	7342.8	7614.9	7573.3	7550.1	7134.8	6410.6	5617.6
15°	6541.8	6549.0	6597.8	6742.7	7009.9	7503.7	7815.0	7823.0	7566.1	6753.1	5767.2
17.5°	6391.4	6406.6	6429.0	6530.6	6775.5	7282.0	7872.6	7915.8	7943.8	7108.4	5911.2
20°	6439.4	6453.8	6460.2	6525.0	6725.9	7147.6	7832.6	7910.2	8233.5	7442.9	6055.3
22.5°	6654.6	6663.5	6667.5	6684.3	6840.3	7186.0	7806.2	7887.8	8443.1	7743.0	6164.1
25°	7011.5	7005.1	6979.5	6957.9	7062.8	7338.0	7867.0	7944.6	8613.6	8015.0	6235.3
27.5°	7438.9	7430.9	7381.2	7322.0	7382.0	7574.9	8042.2	8103.9	8766.4	8269.5	6271.3
30°	7951.8	7931.0	7837.4	7767.0	7790.2	7930.2	8331.1	8387.1	9002.5	8558.4	6306.6
32.5°	8544.8	8522.4	8387.1	8270.3	8270.3	8387.1	8628.8	8675.2	9202.6	8884.9	6363.4
35°	9287.4	9259.4	9083.3	8887.3	8832.1	8891.3	9034.5	9067.3	9562.7	9296.2	6466.6
37.5°	10162.8	10125.2	9897.1	9634.7	9513.8	9510.6	9613.9	9681.1	10138.0	9836.3	6641.8
40°	11040.7	11014.3	10815.0	10608.5	10371.7	10295.7	10454.9	10475.7	10890.2	10506.9	6865.9
42.5°	11719.3	11714.5	11677.6	11704.9	11462.4	11308.7	11433.6	11450.4	11808.9	11232.7	7104.4
45°	12077.8	12085.8	12264.2	12659.5	12749.1	12637.1	12698.7	12703.5	12858.8	11964.9	7322.8
47.5°	11790.5	11832.1	12283.4	13167.7	13901.5	14273.6	14171.1	14230.4	13876.7	12593.9	7494.1
50°	10671.0	10722.2	11490.4	12941.2	14439.2	15857.2	15803.6	15790.0	14697.7	13054.8	7586.9
52.5°	9284.2	9324.2	9958.0	11764.1	14044.7	16732.6	17224.8	17154.4	15427.5	13399.7	7604.5
55°	7172.4	7234.8	7842.2	9414.6	12449.1	16398.2	18269.9	18206.7	16092.5	13580.6	7583.7
57°	5099.0	5164.6	5768.0	7185.2	10472.5	15240.2	18373.9	18441.1	16451.8	13611.0	7606.9
57.5°	4550.1	4617.3	5215.0	6591.4	9856.3	14821.7	18284.3	18396.3	16516.6	13606.2	7619.7
60°	2291.0	2316.6	2697.5	3679.4	6230.5	11982.5	17115.2	17404.0	16575.0	13370.9	7674.9
62.5°	1424.4	1406.0	1394.0	1694.9	3031.2	7946.2	14702.5	15258.6	15457.1	12801.2	7541.3
65°	1252.3	1217.9	1085.9	1061.9	1338.8	3859.5	11071.9	11764.1	13068.4	11903.3	7222.8
67.5°	1176.3	1142.7	993.9	904.3	905.1	1530.0	6873.9	7653.3	10180.4	10385.3	6471.4
70°	1097.9	1067.5	928.3	822.6	770.6	847.4	3162.5	3753.8	6636.2	8163.1	5408.7
72.5°	997.1	976.3	844.2	735.4	680.2	634.6	1210.7	1430.0	3841.9	5482.3	3756.2
75°	891.4	872.2	759.4	655.4	588.2	499.3	681.8	734.6	1951.7	2804.8	1849.3
77.5°	775.4	764.2	675.4	579.4	525.7	413.7	482.5	508.1	837.0	1202.7	927.5
80°	617.0	638.6	590.6	516.1	466.5	331.3	341.7	358.5	487.3	587.4	526.5
82.5°	401.7	439.3	462.5	419.3	384.1	260.9	245.7	252.9	317.7	358.5	228.9
85°	167.2	188.1	304.1	274.5	255.3	190.5	164.8	168.0	196.9	204.1	93.6
87.5°	74.4	79.2	133.6	125.6	108.0	65.6	70.4	76.8	104.8	99.2	36.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report

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CATALOG NUMBER: GLEON-SA5B-830-U-AFL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5164.6	5164.6	5164.6	5164.6	5164.6	5164.6	5164.6	5164.6	5164.6	5164.6	5164.6
2.5°	5169.4	5102.2	4987.0	4859.7	4755.7	4672.5	4588.5	4530.9	4463.6	4427.6	4409.2
5°	5173.4	5041.4	4798.9	4550.1	4327.6	4124.3	3930.7	3781.9	3642.6	3567.4	3546.6
7.5°	5190.2	4991.8	4599.7	4190.0	3794.7	3433.8	3155.3	2980.8	2855.2	2799.2	2783.2
10°	5203.8	4933.4	4353.2	3746.6	3208.9	2843.2	2627.1	2529.5	2486.3	2479.1	2471.9
12.5°	5235.9	4873.4	4093.9	3284.1	2753.6	2500.7	2425.5	2419.1	2431.1	2448.7	2448.7
15°	5286.3	4814.1	3797.9	2887.2	2463.9	2375.1	2390.3	2425.5	2458.3	2485.5	2489.5
17.5°	5323.1	4741.3	3479.4	2569.5	2309.4	2333.4	2387.9	2437.5	2471.1	2497.5	2499.9
20°	5349.5	4628.5	3139.3	2327.0	2220.6	2295.0	2363.1	2407.1	2430.3	2456.7	2460.7
22.5°	5335.9	4477.2	2837.6	2153.4	2148.6	2239.0	2303.8	2356.7	2339.0	2313.4	2330.2
25°	5270.3	4269.2	2527.1	2023.8	2072.6	2163.8	2243.8	2208.6	2149.4	2138.2	2144.6
27.5°	5153.4	4003.5	2239.8	1903.7	1984.6	2094.2	2089.4	2054.2	2033.4	2019.0	2027.8
30°	5027.8	3715.4	1988.6	1798.9	1886.9	1977.3	1958.9	1958.1	1937.3	1914.1	1925.3
32.5°	4903.8	3425.8	1789.3	1712.5	1813.3	1825.3	1865.3	1877.3	1836.5	1787.7	1784.5
35°	4795.7	3152.1	1638.1	1634.1	1724.5	1726.1	1784.5	1767.7	1666.1	1615.6	1615.6
37.5°	4714.9	2879.2	1522.8	1563.6	1607.6	1649.3	1678.9	1609.2	1592.4	1564.4	1563.6
40°	4679.7	2639.1	1450.8	1510.0	1525.2	1578.0	1502.0	1529.2	1537.2	1522.8	1522.8
42.5°	4642.9	2430.3	1388.4	1469.2	1466.8	1459.6	1421.2	1456.4	1488.4	1489.2	1486.8
45°	4606.1	2250.2	1333.2	1382.0	1415.6	1338.0	1345.2	1382.8	1427.6	1443.6	1443.6
47.5°	4565.3	2107.8	1282.8	1290.0	1342.0	1290.0	1284.4	1313.2	1366.0	1391.6	1397.2
50°	4475.6	1979.7	1225.1	1209.1	1223.5	1241.1	1245.9	1259.5	1318.0	1358.8	1368.4
52.5°	4351.6	1865.3	1151.5	1134.7	1134.7	1201.1	1223.5	1227.5	1277.2	1326.0	1335.6
55°	4248.4	1792.5	1075.5	1072.3	1069.1	1158.7	1197.1	1203.5	1237.9	1276.4	1281.2
57°	*4255.6*	*1786.9*	*1017.1*	*1020.3*	*1019.5*	*1115.5*	*1172.3*	*1185.9*	*1203.5*	*1236.3*	*1241.9*
57.5°	4259.6	1790.9	1004.3	1005.9	1005.1	1103.5	1165.1	1180.3	1193.9	1228.3	1233.9
60°	4319.6	1801.3	952.3	934.7	938.7	1039.5	1124.3	1143.5	1152.3	1197.9	1205.1
62.5°	4230.8	1754.9	910.7	868.2	868.2	972.3	1067.5	1097.9	1111.5	1173.1	1185.1
65°	3973.1	1624.5	861.8	793.0	801.0	905.1	999.5	1049.1	1069.9	1146.7	1159.5
67.5°	3575.4	1473.2	809.8	725.8	733.8	834.6	929.1	982.7	1015.5	1117.9	1128.3
70°	3057.6	1288.4	739.4	654.6	664.2	757.8	845.8	906.7	955.5	1090.7	1093.9
72.5°	2254.2	1056.3	641.0	576.2	586.6	668.2	761.8	832.2	897.8	1022.7	1021.1
75°	1340.4	825.8	532.1	496.9	504.1	580.2	685.8	771.4	869.8	996.3	1011.5
77.5°	813.0	621.8	433.7	416.1	424.9	502.5	631.4	722.6	857.8	939.5	934.7
80°	491.3	444.1	346.5	335.3	344.1	429.7	584.2	685.8	749.8	802.6	802.6
82.5°	256.9	271.3	254.5	245.7	257.7	348.9	531.3	598.6	662.6	569.0	531.3
85°	104.8	141.6	154.4	153.6	160.8	241.7	458.5	512.1	427.3	405.7	415.3
87.5°	35.2	60.0	75.2	64.8	68.0	152.0	317.7	247.3	293.7	204.9	194.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

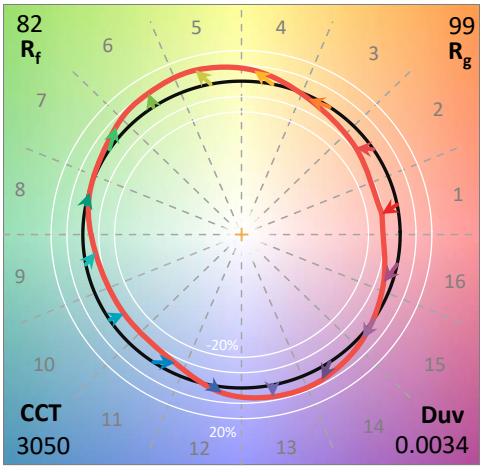
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

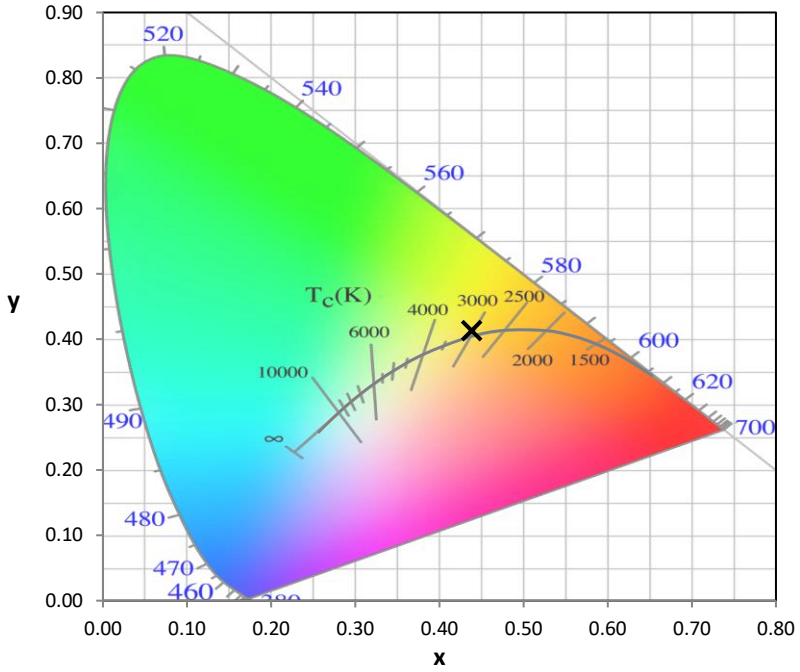
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

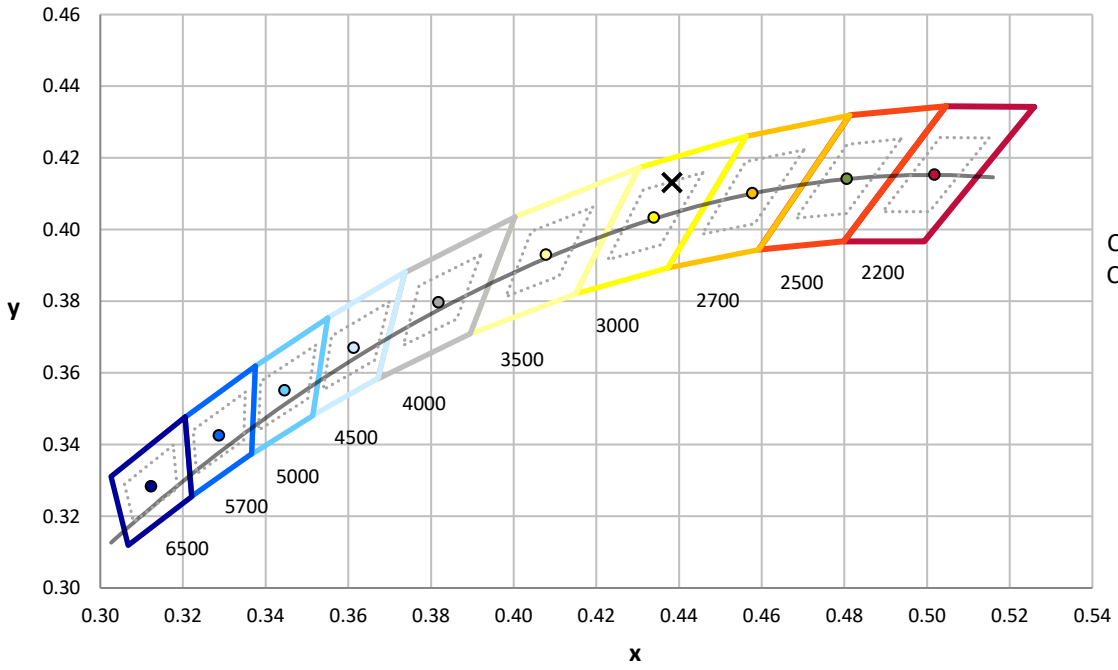
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

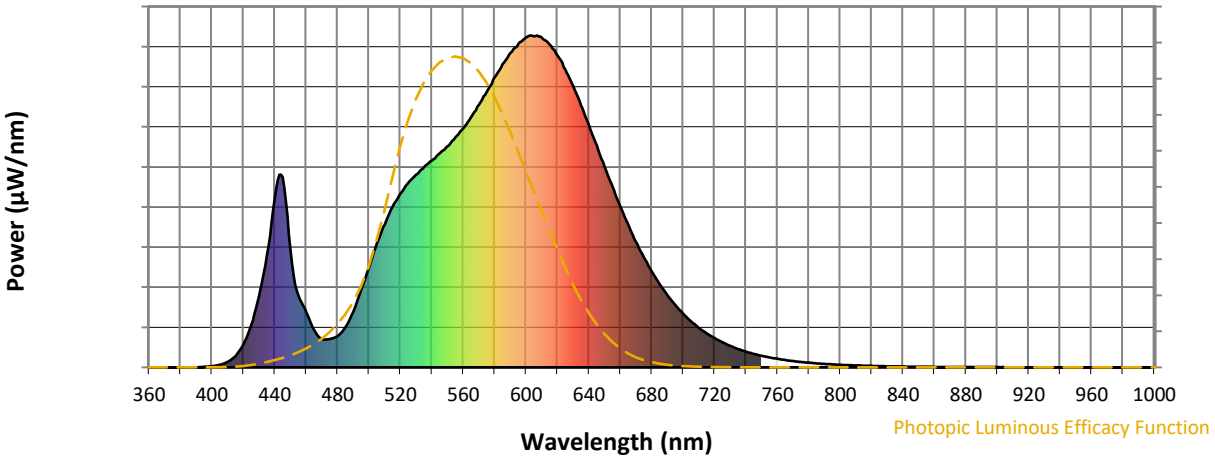


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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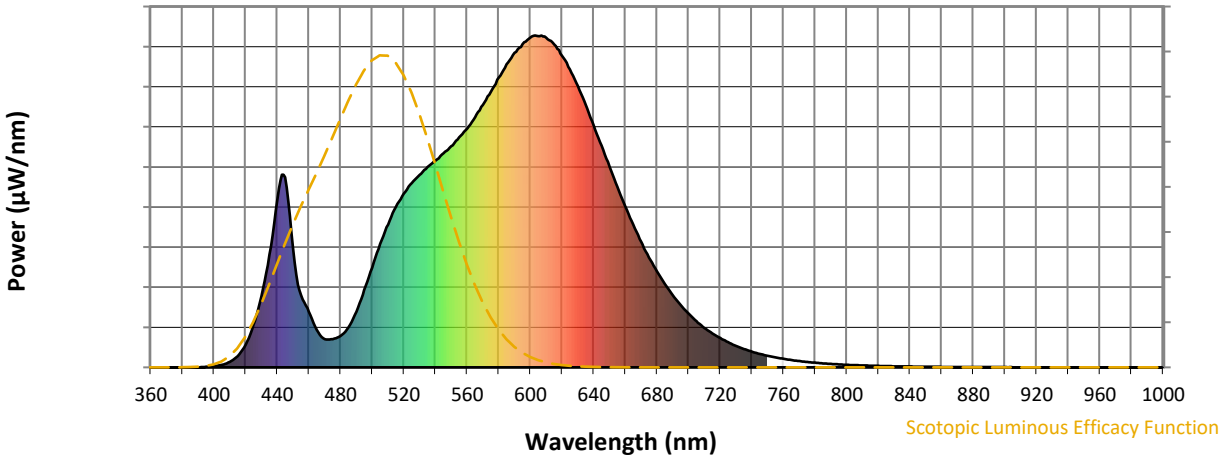
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.27**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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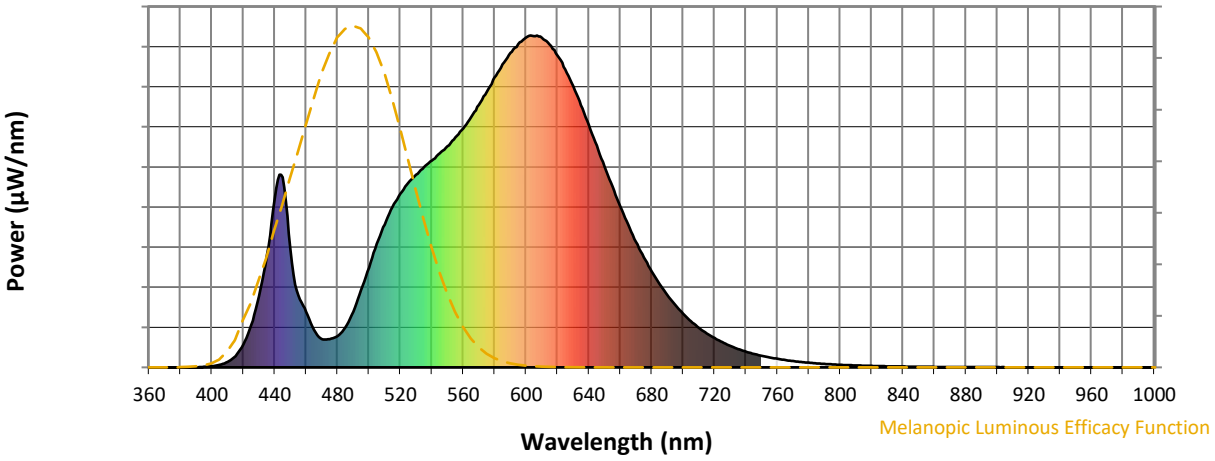
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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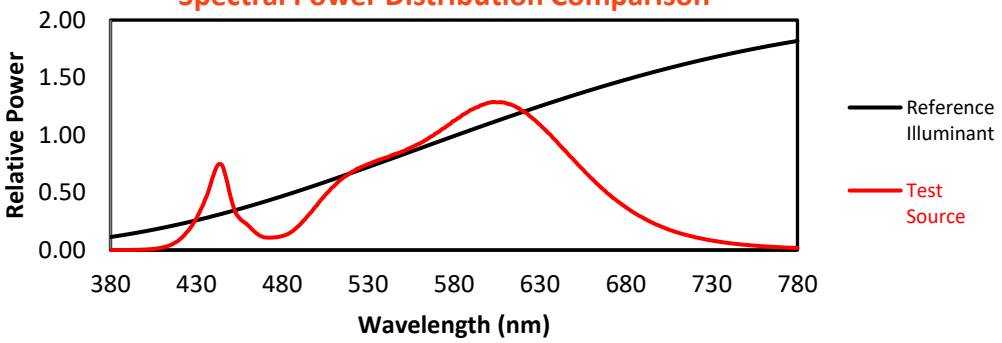
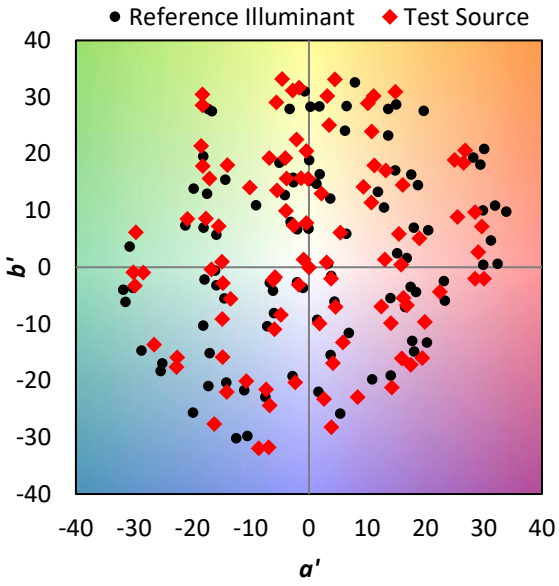
Summary

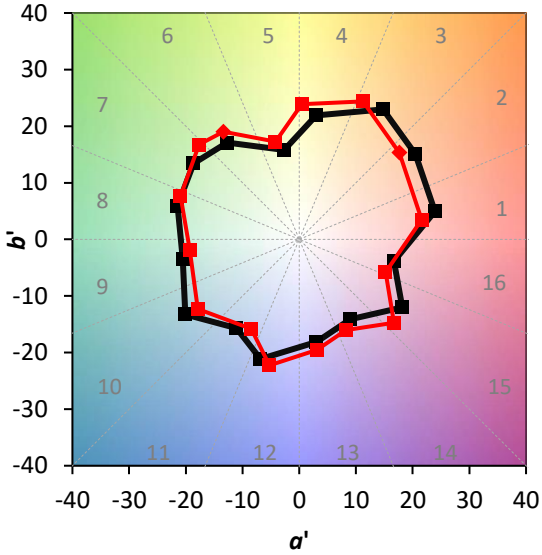
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

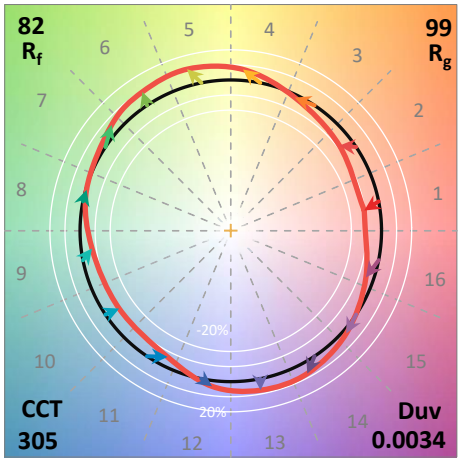
Spectral Power Distribution Comparison

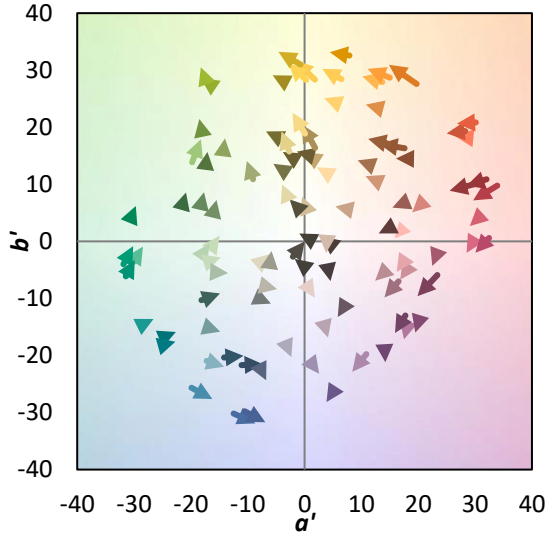


Color Vector Graphics









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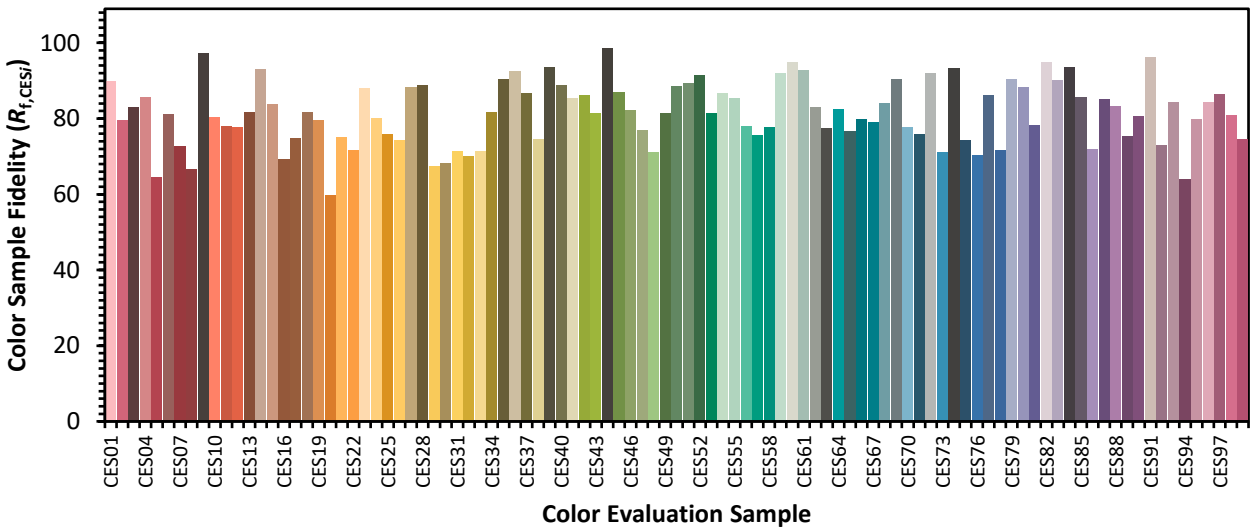
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



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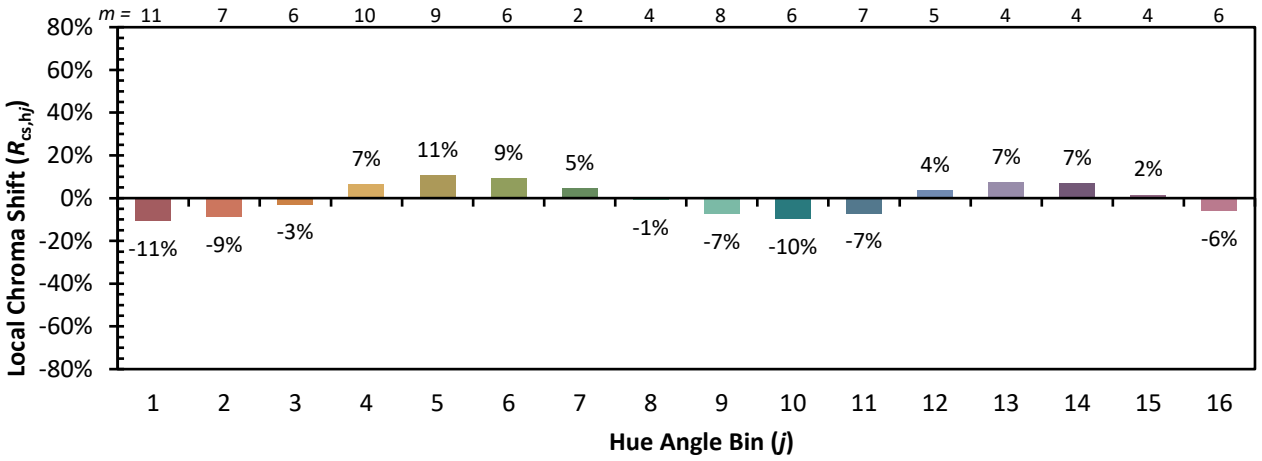
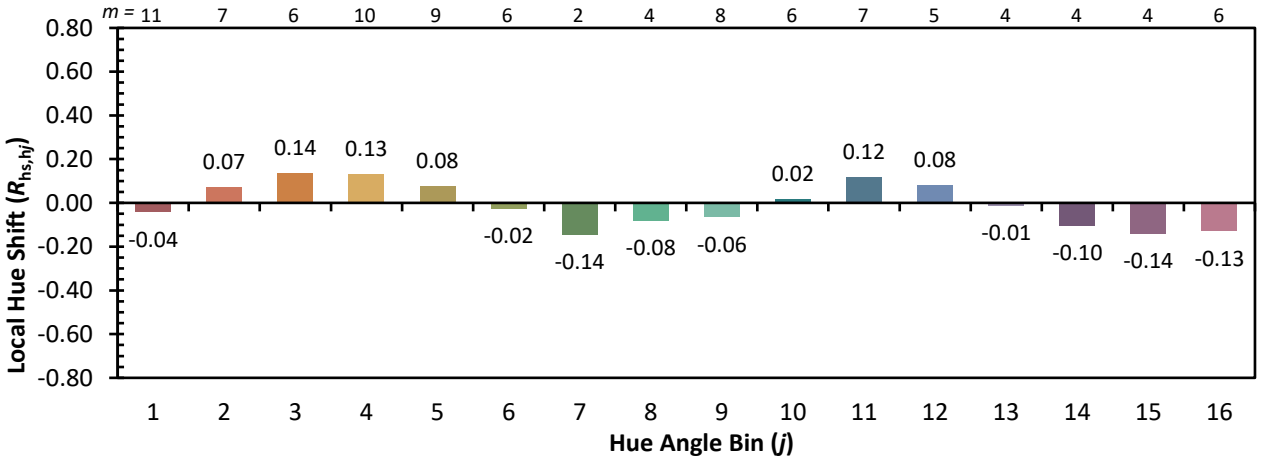
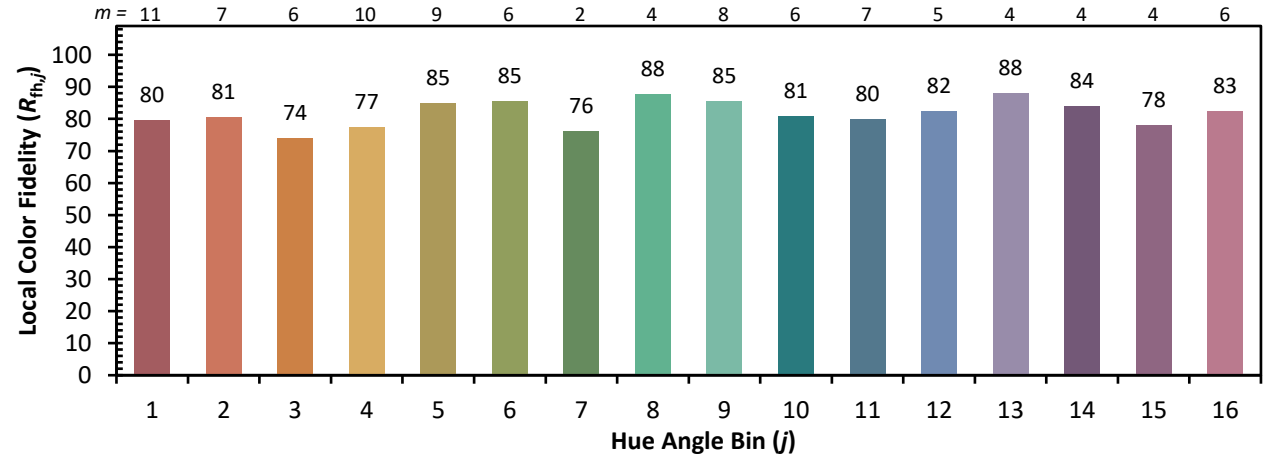
Color Rendition by Hue-Angle Bin







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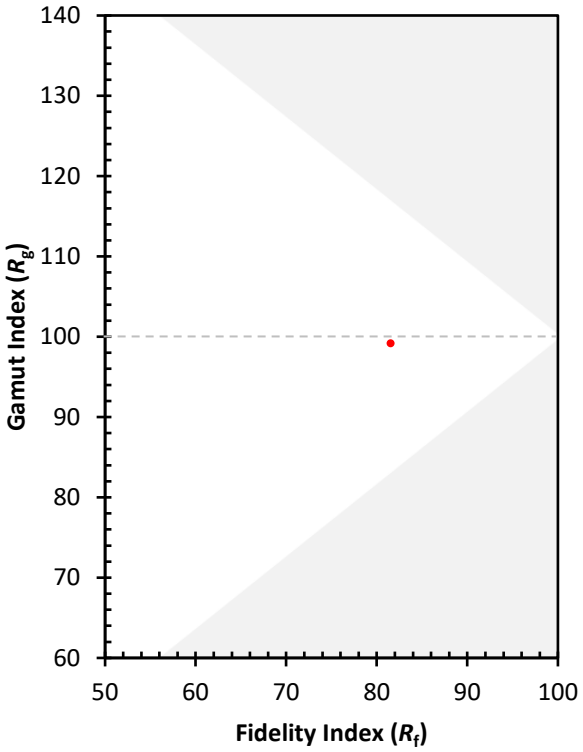
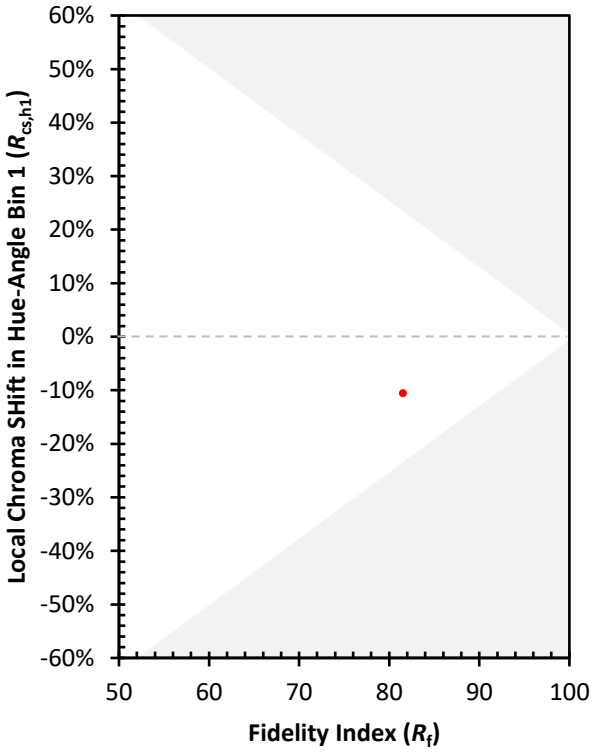
Measure Comparisons





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